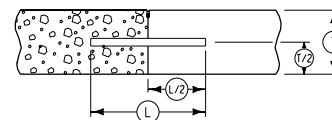
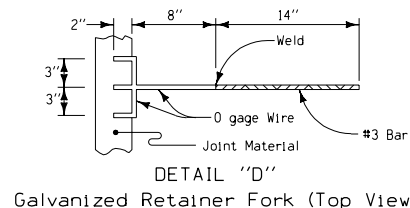
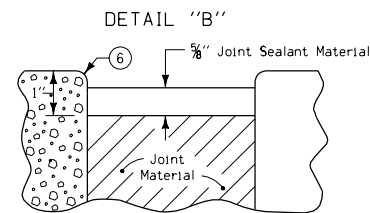
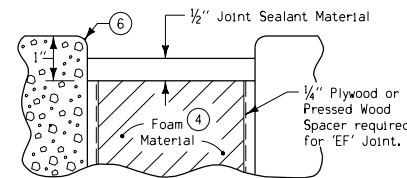
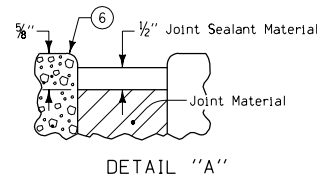
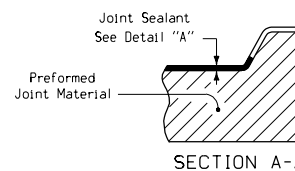


BAR SIZE TABLE			
(T)	<8"	8" and <10"	≥10" or >10"
DOWEL SIZE	3/4"	1 1/4"	1 1/2"



TYPICAL DOWEL PLACEMENT
Applies to all joints unless otherwise detailed.



GENERAL NOTES:

All materials and construction features used in the construction of pavement joints shall conform to the requirements of current Standard and Supplemental Specifications. Refer to other appropriate Standard Road Plans and project plans for additional information. Alternate methods for construction of joints may be submitted to the Engineer for consideration.

Dowels for the 'ED', 'EE', and 'EF' joints shall be properly positioned by the use of an approved support assembly.

Epoxy coat all bars, see "Pavement Reinforcement" in the current Standard Specifications.

All preformed joint material shall be installed perpendicular to the pavement surface and care shall be exercised throughout the construction of the pavement to ensure that such joint material remains in proper position upon completion of paving operation.

The joints as detailed hereon shall not be measured for payment. The construction detailed hereon including the furnishing of the dowels, dowel assemblies, and joint filler material shall be considered incidental to PCC paving, unless noted otherwise.

- The free moving ends of dowel support assembly shall be placed alternately across joints.
- Refer to Bar Size Table
- The free end of dowel bar shall be coated as directed by the Engineer prior to placement of second slab to prevent bond with that portion of pavement.
- Holes for Joint Material shall be predrilled or preformed for appropriate dowel size. Material shall meet requirements of the current Standard Specifications for Joint Material.
- Bars in Transverse Joints shall be placed so that no bar will be closer than 6" to any Longitudinal Joint (centerline or lane line). The distance to the first bar from edge of pavement will vary from 6" to 12" depending upon pavement width.
- Edge with 1/4" tool for length of joint indicated in formed; edging not required when cut with diamond blade saw.
- Weld side opposite Expansion Tube.
- Preformed Joint Material 4" nominal width x pavement thickness - 1" deep. See Materials I.M. 436.05 for list of approved materials.
- Place 'CF' Joint material 1" lower than top of pavement. Anchor with galvanized retainer forks at 24" centers; tie forks to reinforcing mat or place on support chairs.

 Iowa Department of Transportation Project Development Division	
STANDARD ROAD PLAN RH-52	
REVISION: Update notes on joint details.	REVISION NO. 7
David P. Keith APPROVED BY DESIGN METHODS ENGINEER	4-15-96 REVISION DATE 08-20-96
JOINTS (EXPANSION)	